Issuance Date: August 16, 2002
Effective Date: September 1, 2002
Expiration Date: June 30, 2005

STATE WASTE DISCHARGE PERMIT NUMBER NO. ST 5063

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Southwest Regional Office

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

Midway Meats Inc.

1721 Airport Road

Centralia, WA 98531

to discharge wastewater in accordance with the special and general conditions which follow.

Facility Location: 1721 Airport Road Centralia, Washington	Discharge Location: Legal Description : 63 acres at a site 2.1 miles SW of the plant SE.SW Section 18 and 19, R2W, T14N, WM.
Industry Type: 1. Custom Slaughtering 2. Meat Packing	Plant: Latitude: 46° 42' 44" N Longitude: 122° 58' 20" W
SIC Codes: 1. SIC 0751 2. SIC 2011	

Kelly Susewind, P.E.
Southwest Region Manager
Water Quality Program
Washington State Department of Ecology

TABLE OF CONTENTS

SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Quarterly	October 15, 2002
S5.	Hydrogeological Study	1/ permit cycle	January 1, 2005
S6.	Irrigation and Crop Management Plan	1/year	April 1, 2002
G7.	Application for permit renewal	1/permit cycle	January 1, 2005

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to apply wastewater to land via spray irrigation, during the growing season only, at rates specified below on the following designated irrigation lands:

> Approximately 63 acres located approximately 3.6 miles southeast of the center of the city of Centralia, Washington, immediately west of Interstate 5, on Airport Road in SE, NW, Sec 18 and 19, T14N, R2W.

Total nitrogen applied to the irrigation lands shall not exceed the following:

Field	Nutrient Requirement	Acres	Total Nitrogen Application
B1	150 lbs/acre	35	5,250 lbs
B2	150 lbs/acre	28	4,200 lbs
1	75 lbs/acre	47	3,525 lbs

S2. MONITORING REQUIREMENTS

A. WASTEWATER MONITORING

The sampling point for the effluent from the facility will be at the sampling cock installed in the effluent pipe. This will be called Sample Point 001.

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
Flow	GPD	001	Quarterly[1]	Metered
BOD	mg/l	001	Quarterly[1]	Grab
TSS	mg/l	001	Quarterly[1]	Grab
pH	Standard Units	001	Quarterly[1]	Grab
TKN (as N)[2]	mg/l	001	Quarterly[1]	Grab
NO_3 (as N)[2]	mg/l	001	Quarterly[1]	Grab
NH_3 (as N)[2]	mg/l	001	Quarterly[1]	Grab
Chloride	mg/l	001	Quarterly[1]	Grab

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
Fluoride	mg/l	001	Quarterly[1]	Grab
TDS	mg/l	001	Quarterly[1]	Grab
Total-P (as P)	mg/l	001	Quarterly[1]	Grab
[1]First working day of January, April , July , October				
[2] Laboratory practical quantification limit shall be 0.01 mg/l.				

B. Ground Water Monitoring

The sampling points for ground water will be monitoring wells numbers 1, 2, 3, 4, 5, and 6. The locations of these wells are as follows:

Monitoring Well Number	Latitude	Longitude
Field 1, Well No. 1	N 46° 42’ 16”	W 122° 50’ 25”
Field 1, Well No. 2	N 46° 42’ 13”	W 122° 58’ 41”
Field 1, Well No. 3	N 46° 42’ 23”	W 122° 58’ 39”
Field B1, Well No. 4	N 46° 41’ 17”	W 122° 59’ 24”
Field B1, Well No. 5	N 46° 41’ 17”	W 122° 59’ 24”
Field B1, Well No. 6	N 46° 41’ 10”	W 122° 59’ 09”

The Permittee shall monitor the ground water according to the following schedule upon completion of well installation required in S5:

FIELD No. 1

Parameter	Units	Monitoring Well	Sampling Frequency	Sample Type
Ferrous Iron	Present /Absent	1, 2 and 3	Quarterly[1]	Field Measurement
Biochemical Oxygen Demand, 5-Day	mg/l	1, 2 and 3	Quarterly[1]	Grab
Total Dissolved Solids	mg/l	1, 2 and 3	Quarterly[1]	Grab
NH_3 [4]	mg/l	1, 2 and 3	Quarterly[1]	Grab
NO_3 (as N)[4]	mg/l	1, 2 and 3	Quarterly[1]	Grab
TKN (as N)[4]	mg/l	1, 2 and 3	Quarterly[1]	Grab
Iron (Total)	mg/l	1, 2 and 3	Quarterly[1]	Grab
Total Organic Carbon	mg/l	1, 2 and 3	Quarterly[1]	Grab
pH	Standard Units	1, 2 and 3	Quarterly[1]	Field Measurement

Parameter	Units	Monitoring Well	Sampling Frequency	Sample Type
Dissolved Oxygen	mg/l	1, 2, and 3	Quarterly[1]	Field Measurement
Conductivity	Micromho/cm	1, 2 and 3	Quarterly[1]	Field Measurement
Total Coliform	CPU/100 ml	1, 2 and 3	Quarterly[1]	Grab
Water Level	Feet	1, 2 and 3	Quarterly[1]	Field Measurement[2]
Temperature	ºC	1, 2 and 3	Quarterly[1]	Field Measurement
Chloride	mg/l	1, 2 and 3	Quarterly[1]	Grab
Fluoride	mg/l	1, 2 and 3	Quarterly[1]	Grab
Bicarbonate	mg/l	1, 2 and 3	Annual[3]	Grab
Carbonate	mg/l	1, 2 and 3	Annual[3]	Grab
Sulfate	mg/l	1, 2 and 3	Annual[3]	Grab
Calcium	mg/l	1, 2 and 3	Annual[3]	Grab
Magnesium	mg/l	1, 2 and 3	Annual[3]	Grab
Potassium	mg/l	1, 2 and 3	Annual[3]	Grab
Sodium	mg/l	1, 2 and 3	Annual[3]	Grab
Manganese	mg/l	1, 2 and 3	Annual[3]	Grab
[1]Working day nearest but not before January1, April 1, July 1, October 1. Sampling may be delayed until floodwaters recede.				
[2] Depth shall be measured using a device that sends an electrical signal when the water surface is encountered.				
[3] Working day nearest but not before July 1.				
[4] Laboratory practical quantification limit shall be 0.01 mg/l.				

FIELD No. B1

Parameter	Units	Monitoring Well	Sampling Frequency	Sample Type
Ferrous Iron	Present /Absent	4, 5 and 6	Quarterly[1]	Field Measurement
Biochemical Oxygen Demand, 5-Day	mg/l	4, 5 and 6	Monthly [4]	Grab
Total Dissolved Solids	mg/l	4, 5 and 6	Monthly [4]	Grab
NH_3 [5]	mg/l	4, 5 and 6	Monthly [4]	Grab
NO_3 (as N)[5]	mg/l	4, 5 and 6	Monthly [4]	Grab

Parameter	Units	Monitoring Well	Sampling Frequency	Sample Type
TKN (as N)[5]	mg/l	4, 5 and 6	Monthly [4]	Grab
Iron (Total)	mg/l	4, 5 and 6	Quarterly[1]	Grab
Total Organic Carbon	mg/l	4, 5 and 6	Quarterly[1]	Grab
Ph	Standard Units	4, 5 and 6	Quarterly[1]	Grab
Dissolved Oxygen	mg/l	4, 5 and 6	Quarterly[1]	Field Measurement
Conductivity	Micromho/cm	4, 5 and 6	Quarterly[1]	Field Measurement
Total Coliform	CPU/100 ml	4, 5 and 6	Quarterly[1]	Grab
Water Level	Feet	4, 5 and 6	Quarterly[1]	Field Measurement[2]
Temperature	ºC	4, 5 and 6	Quarterly[1]	Field Measurement
Chloride	mg/l	4, 5 and 6	Quarterly[1]	Grab
Fluoride	mg/l	4, 5 and 6	Quarterly[1]	Grab
Bicarbonate	mg/l	4, 5 and 6	Annual[3]	Grab
Carbonate	mg/l	4, 5 and 6	Annual[3]	Grab
Sulfate	mg/l	4, 5 and 6	Annual[3]	Grab
Calcium	mg/l	4, 5 and 6	Annual[3]	Grab
Magnesium	mg/l	4, 5 and 6	Annual[3]	Grab
Potassium	mg/l	4, 5 and 6	Annual[3]	Grab
Sodium	mg/l	4, 5 and 6	Annual[3]	Grab
Manganese	mg/l	4, 5 and 6	Annual[3]	Grab

[1]Working day nearest but not before January1, April 1, July 1, October 1. Sampling may be delayed until floodwaters recede.

[2] Depth shall be measured using a device that sends an electrical signal when the water surface is encountered.

[3] Working day nearest but not before July 1.

[4] Monthly for 1 year following permit issuance, Quarterly thereafter.

[5] Laboratory practical quantification limit shall be 0.01 mg/l.

C. Crop Monitoring

Submit results with irrigation and crop management plan.

The Permittee shall perform crop monitoring on each field once per harvest. Composite samples will be comprised of at least ten (10) random samples collected from the field.

Parameter	**Units**
Crop production	dry tons/ac
Moisture content	%
Crude protein	%
Total Kjeldahl Nitrogen	%
NO_3 (as N)	mg/Kg (dry wt)
Total-P (as P)	%
Sodium	mg/Kg (dry wt)
Magnesium	"
Potassium	"
Calcium	"

D. Soil Monitoring

1. Semi-Annual Monitoring

The Permittee shall perform soil monitoring on the irrigation lands twice per year. These sampling sites shall be located so as to be representative of each irrigation site or as represented in the crop management plan. If possible, sampling sites shall remain in the same vicinity from year to year. Testing at each sampling site shall be done on one foot soil increments. Results shall be submitted annually with the annual Irrigation and Crop Management Plan.

Composite samples will be for 1 depth [0-12"; (or until auger refusal)] and will be from a minimum of four (4) cores. Samples will be collected at a time that best represents soil conditions at the beginning and end of the crop growing season.

The Permittee shall monitor the soils in the sprayfields according to the following schedule. Submit results with irrigation and crop management plan.

Parameter	**Units**	**Sample Point**	**Depth Increments[1]**
Exchangeable sodium percentage	%	Each field	1
Cation exchange capacity	meq/100g	"	1

Parameter	Units	Sample Point	Depth Increments[1]
Organic matter	%	"	1
Moisture content	%	"	1
TKN (as N)[2]	mg/Kg	"	1
NO_3 (as N)[2]	mg/Kg	"	1
NH_3 (as N)[2]	mg/Kg	"	1
Total-P (as P)	mg/Kg	"	1
Conductivity	mmhos/cm	"	1
Sodium	meq/100g	"	1
Calcium	meq/100g	"	1
Magnesium	meq/100g	"	1
Potassium	mg/Kg	"	1
Sulfate (as S)	mg/Kg	"	1
pH	s.u.	"	1
[1] Depth (inches) vs. Depth increment (ft.) for composite samples: 0 -12"1			

E. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting will be in accordance with the procedures established for an agricultural laboratory affiliated with a national quality control program.

F. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of

measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

G. Laboratory Accreditation

All monitoring data other than soil and crop testing required by the Department shall be prepared by a laboratory registered or accredited under the provisions of a national laboratory accreditation program, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, settleable solids, conductivity, pH, and internal process control parameters are exempt from this requirement. Crops, soils, and hazardous waste testing has not been included in the accreditation program. Crops, soils, and hazardous waste data shall be provided by a lab accredited for similar parameters in water media.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted quarterly. Monitoring results obtained during the previous three (3) months shall be reported on the forms as provided, or otherwise approved, by the Department, and be received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. The report shall be sent to the Department of Ecology, Southwest Regional Office, P.O. Box 47775, Olympia, WA, 98504-7775.

Discharge Monitoring Report forms must be submitted quarterly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;

2. Repeat sampling and analysis of any violation and submit the results to the Department within 30 days after becoming aware of the violation;

3. Immediately notify the Department of the failure to comply; and

4. Submit a detailed written report to the Department within thirty days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

S4. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

Irrigation Land Application

1. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the state or to any land not owned by or under control of the Permittee.

2. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system. When notified by the

Department, the Permittee shall implement measures to reduce odors to a reasonable minimum.

3. The wastewater shall not be applied to the irrigation lands in quantities that:

   a. Significantly reduce or destroy the long-term infiltration rate of the soil.

   b. Would cause long-term anaerobic conditions in the soil.

   c. Would cause ponding of wastewater and produce objectionable odors or support insects or vectors.

   d. Would cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.

   e. When applying manure, the top 2 feet of soil are saturated.

4. The wastewater shall not be applied to the irrigation lands where:

   a. Where spray drift will reach the river.

   b. The riverbank in is less than 50 feet away.

5. The wastewater shall not be applied to the irrigation lands when:

   a. The fields are saturated, flooded, frozen or snow covered.

   b. During heavy rainfall.

   c. When application leaves ruts in the field.

   d. On bare soil in the fall unless a new crop is to be planted.

   e. The date is between November 1 and May 1.

6. The Permittee shall construct a wastewater storage lagoon in accordance with the Engineering Report.

S5. HYDROGEOLOGICAL STUDY

Monitoring results taken under the requirements of section S2B shall be used to provide a hydrogeological study as an attachment to the application for permit renewal required in G7. This report shall conform to the standards of Implementation Guidance for the Ground Water Quality Standards, Melanie B. Kimsey, Ecology Publication #96-02, April 1996.

The wells shall be installed and sampling commenced within six (6) months of permit effective date.

S6. IRRIGATION AND CROP MANAGEMENT PLAN

An Irrigation and Crop Management Plan shall be submitted annually by April 1 for Department review. The plan shall generally conform with Guidelines *for Preparation of Engineering Reports for Industrial Wastewater Land Application Systems*, Ecology 1993. The plan must be prepared by a soil scientist. The plan shall include the following elements:

A. Annual Summary of Farm Operations for Previous Year
This summary shall include:

1. For each crop grown, the total acreage and quantity harvested.

2. Calculated balances for nutrients, TDS, or other design limiting parameters. The calculations shall include crop consumptive use, process wastewater loadings of nutrients, TDS or other design limiting parameters, and contributions from commercial fertilizers applied.

3. Calculated water balance. The calculations shall include irrigation system efficiency and application uniformity, the quantity of supplemental irrigation water and process wastewater applied, crop consumptive use, water stored in the soil profile outside the normal growing season, and salt leaching requirements.

4. Soil testing results. A summary of the soil testing results shall be submitted and discussed as part of the annual Irrigation and Crop Management Plan. Crop monitoring results will also be submitted as part of this plan.

B. Cropping Schedule for Upcoming Year

This schedule shall include:

1. Crop Management. The proposed acreage for each crop, cultivation and harvesting requirements, expected crop yields, and methods for establishing a crop, and proposed schedule for herbicide, pesticide, and fertilizer application.

2. Irrigation Management. The frequency and timing of wastewater and supplemental irrigation water application (including harvest and non-harvest periods), and recommended rest cycles for wastewater application where organic or hydraulic loading is a concern.

3. BOD Loading. A determination of the wastewater volume per acre required to remove biochemical oxygen demand from the wastewater.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

A. All permit applications shall be signed by either a principal executive officer or ranking elected official.

B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and

2. The authorization specifies either a named individual or any individual occupying a named position.

C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

A. Violation of any permit term or condition;

B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;

C. A material change in quantity or type of waste disposal;

D. A material change in the condition of the waters of the state; or

E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G7. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 180 days prior to the specified expiration date of this permit.

G8. PERMIT TRANSFER

This permit is automatically transferred to a new owner or operator if:

A. A written agreement between the old and new owner or operator containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Department;

B. A copy of the permit is provided to the new owner and;

C. The Department does not notify the Permittee of the need to modify the permit.

Unless this permit is automatically transferred according to section A. above, this permit may be transferred only if it is modified to identify the new Permittee and to incorporate such other requirements as determined necessary by the Department.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.